

Limneria undata (Wavy Lamellaria)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Gastropoda* (Aquatic And Terrestrial Snails)

Order: *Littorinimorpha* ()

Family: *Velutinidae* ()

General comments: none

No Species Conservation Range Maps Available for Wavy Lamellaria

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern: NA

Recent Significant Declines: NA

Regional Endemic: NA

High Regional Conservation Priority: NA

High Climate Change Vulnerability:

Limneria undata is highly vulnerable to climate change.

Understudied rare taxa:

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. *criteria only qualifies for Priority 3 level SGCN*

Notes:

climate change - Comeau et al., 2009; last record Cobscook Bay 1975; understudied - little known about this species, professional judgement

Historical: NA

Culturally Significant: NA

Habitats Assigned to Wavy Lamellaria:

Formation Name Intertidal

Macrogroup Name **Intertidal Gravel Shore**

Habitat System Name: Gravel Shore Macrogroup - Unknown Habitat System

Macrogroup Name **Intertidal Mudflat**

Habitat System Name: Mudflat Macrogroup - Unknown Habitat System

Macrogroup Name **Intertidal Sandy Shore**

Habitat System Name: Sandy Shore Macrogroup - Unknown Habitat System

Formation Name Subtidal

Macrogroup Name **Subtidal Coarse Gravel Bottom**

Habitat System Name: Coarse Gravel Bottom Macrogroup - Unknown Habitat System

Macrogroup Name **Subtidal Mud Bottom**

Habitat System Name: Mud Bottom Macrogroup - Unknown Habitat System

Macrogroup Name **Subtidal Pelagic (Water Column)**

Habitat System Name: Pelagic (Water Column) Macrogroup - Unknown Habitat System

Stressors Assigned to Wavy Lamellaria:

No Stressors Currently Assigned to Wavy Lamellaria or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to Wavy Lamellaria:

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No Species Specific Conservation Actions Currently Assigned to Wavy Lamellaria or other Priority 3 SGCN.

Conservation Actions Associated with the Gastropods Guild:

Conservation Action	Category: Public Outreach	Biological Priority: high	Type: on-going
Encourage the use of more targeted fishing gear in order to reduce bycatch and habitat disturbance			

Stressor(s) Addressed By This Conservation Action

Fishing and Harvesting of Aquatic Resources

Conservation Action	Category: Policy	Biological Priority: critical	Type: new
Reduce the collection and possession of live specimens			

Stressor(s) Addressed By This Conservation Action

Fishing and Harvesting of Aquatic Resources

Conservation Action	Category: Research	Biological Priority: high	Type: new
Develop molecular tools to identify where specimens are collected.			

Stressor(s) Addressed By This Conservation Action

Fishing and Harvesting of Aquatic Resources

Conservation Action	Category: Survey and Monitoring	Biological Priority: high	Type: on-going
Ground-truth mapped habitat and compare to historical maps to monitor change over time, may require updating mapping plans to map more frequently			

Stressor(s) Addressed By This Conservation Action

Fishing and Harvesting of Aquatic Resources

Conservation Action	Category: Policy	Biological Priority: critical	Type: new
Reduce the use of tributyltin compounds as a biocide and antifouling prophalactic			

Stressor(s) Addressed By This Conservation Action

Agricultural and Forestry Effluents

Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.